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### **Flight Report**

<b>Aircraft :</b>	DC-8 N817NA
<b>Operating Site(s) From / To :</b>	TISX to KFLI
<b>Flight Date :</b>	8/29/10
<b>Flight Number :</b>	100609
<b>Take Off Time :</b>	241:16:30:08 UTC
<b>Landing Time :</b>	242:00:53:44 UTC
<b>Flight Time :</b>	8.5 Hr.
<b>Flt Request # / PI:</b>	108201 / Vasquez
<b>Purpose of Flight :</b>	<b>Data [ X ] Ferry [ ] Functional Check [ ] Other [ ]</b>
<b>Aircraft Status:</b>	<b>Up [ X ] Down [ ]</b>
<b>Sensor Payload :</b>	CAPS, PIP, DAWN, LARGE, LASE, MMS, APR-2, Dropsonde operated. PIP probe had a laser failure early in the mission. 3 dropsondes reported no data after release; 3 dropsondes reported premature loss of data signal after release.
<b>Comments :</b>	Dropped 28 sondes. Flight consisted of pattern flown over/through hurricane Earl west of St. Croix at altitudes of 33,000 ft and 37,000 ft. Center of storm was located at approximately 17 20N/59 28W. Descent to 7,000 ft was accomplished northwest of storm area to support atmospheric aerosol measurements. Planned takeoff time was delayed by 2.5 hours due to ingestion of bird into engine #4 during taxi. Engine was inspected for damage, bird debris removed, and cleared for flight in coordinated effort with Dryden Code O management and maintenance personnel. Flight diverted to Ft Lauderdale due to degrading weather forecast for St. Croix. associated with approach of hurricane Earl.